UPPER TRISHULI-1 HEP (216MW)			
Client	Doosan Heavy Industries & Construction		
DHI's Subcontractor	Power Construction Corporation of China		
REPLY COMMENT			
Subcontractor	Power Construction Corporation of China		
Incoming Document			
Title of the Document	**Excavation and Support Drawings of Inlet and Outlet Portal of Diversion Tunnel**		
Document/ DrawingNo.	UT1-C-010-CVL-DG-42002(2 sheets)	Revision	B
Review Document No.	**TJ/UT1/OUT-10**	Reviewed Note No.	**RN-0043**
Received Date	**11.01.2021**	Review status	**AC**
Outgoing Document			
Previous Reply No.	RC-0002	Previous Reply Date.	**25.12.2021**
Reply No.	RC-0011	Reply date	**20.01.2022**

Drawing No. UT1-C-010-CVL-DG-42002-1 – Rev. B

a) Arrange indicators (numbers on contour lines correctly).
Reply: Numbers on contour lines is checked.
b) See details in figure below.
c) See details in figure below.
d) Indicate in an additional note that strength of shotcrete is subject to approval.
Reply: Accepted.
e) Delete. This should be part of the Method Statement.
Reply: Accepted.
a) Specify thickness and strength of shotcrete. If strength still subject to approval, indicate.
Reply: Accepted.
b) Specify perforated PVC-pipe, wrapped in geotextile.
Reply: Accepted.
c) Only one row with closer spacing (0.5 m) is required. Revise.
Reply: Accepted.
a) Specify thickness and strength of shotcrete. If strength still subject for approval, indicate.
Reply: Accepted.
b) Rock dowels shall be installed 10° downward.
Reply: Accepted.
c) Only one row with closer spacing (0.5 m) is required. Revise.
Reply: Accepted.
d) Indicate what water level this represents.
Reply: Ordinary water level.
e) Indicate contour of concrete liner and gabions.
Reply: Details of concrete lining and rock block please refer to subsequent drawings of outline of inlet.

Drawing No. UT1-C-010-CVL-DG-42002-2 – Rev. B

a) Indicate, shadow concrete cover and gabion covered section of outlet invert.
Reply: This drawing is excavation of outlet. Details of concrete and gabion please refer to subsequent drawings of outline of outlet.
b) See detailed sketch below.
c) Item 3: Indicate that this is subject of approval by the OE. Item 5: Indicate that shotcrete strength is subject of approval.
Reply: Accepted.

d) Add reference drawings.
Reply: Accepted.
a) Rock dowels shall be installed 10° downward.
Reply: Accepted.
b) Only one row with closer spacing (0.5 m) is required. Revise.
Reply: Accepted.
c) Specify thickness and strength of shotcrete. If strength still subject for approval, indicate.
Reply: Accepted.
d) Indicate contour of concrete and gabions.
Reply: Details of concrete and gabion please refer to subsequent drawings of outline of outlet.
e) Indicate what water level this represents.
Reply: Ordinary water level.
a) Specify perforated PVC-pipe, wrapped in geotextile.
Reply: Accepted.
b) Specify thickness and strength of shotcrete. If strength still subject to approval, indicate.
Reply: Accepted.
c) Indicate that thickness and strength of filling slope concrete is subject of approval.
Reply: Accepted.
d) Indicate that thickness and strength of concrete slab is subject of approval.
Reply: Accepted.
e) Only one row with closer spacing (0.5 m) is required. Revise.
Reply: Accepted.